

Town of Cary Pump Station Inspection Sheet



**Facility Name:** Holly Brook PS

**Inspection Date:** 9/8/2011

**ID Number:** 024

**Pump Drawdown:** 2/8/2011

**Pump One**

Condition: Good

Type: Submersible

Pump One: 131 gpm

Discharge Diameter: 6"

Pump Two: 193 gpm

Control: Float / FVNR Starter

Firm Capacity: 131 gpm

Motor Horsepower: 25

Design Point (flow): 171 gpm

Pump RPM: 1750

Design Point (pressure): 117 feet of water

Manufacturer: Myers

Rep: Pentair Pump Group

Model: 4VC

704-504-3111

419-289-1144

Wetwell: 8' Diameter

6.33' Deep

Vol: 2,400 gal

**Pump Two**

Type: Submersible

Discharge Diameter: 6"

Control: Float / FVNR Starter

Motor Horsepower: 25

Pump RPM: 1750

Manufacturer: Fairbanks Morse

Rep: HD Supply

Model: 5433MV

828-324-9705

913-371-5000

**Grinder: None**

Trash basket

**Comments:**

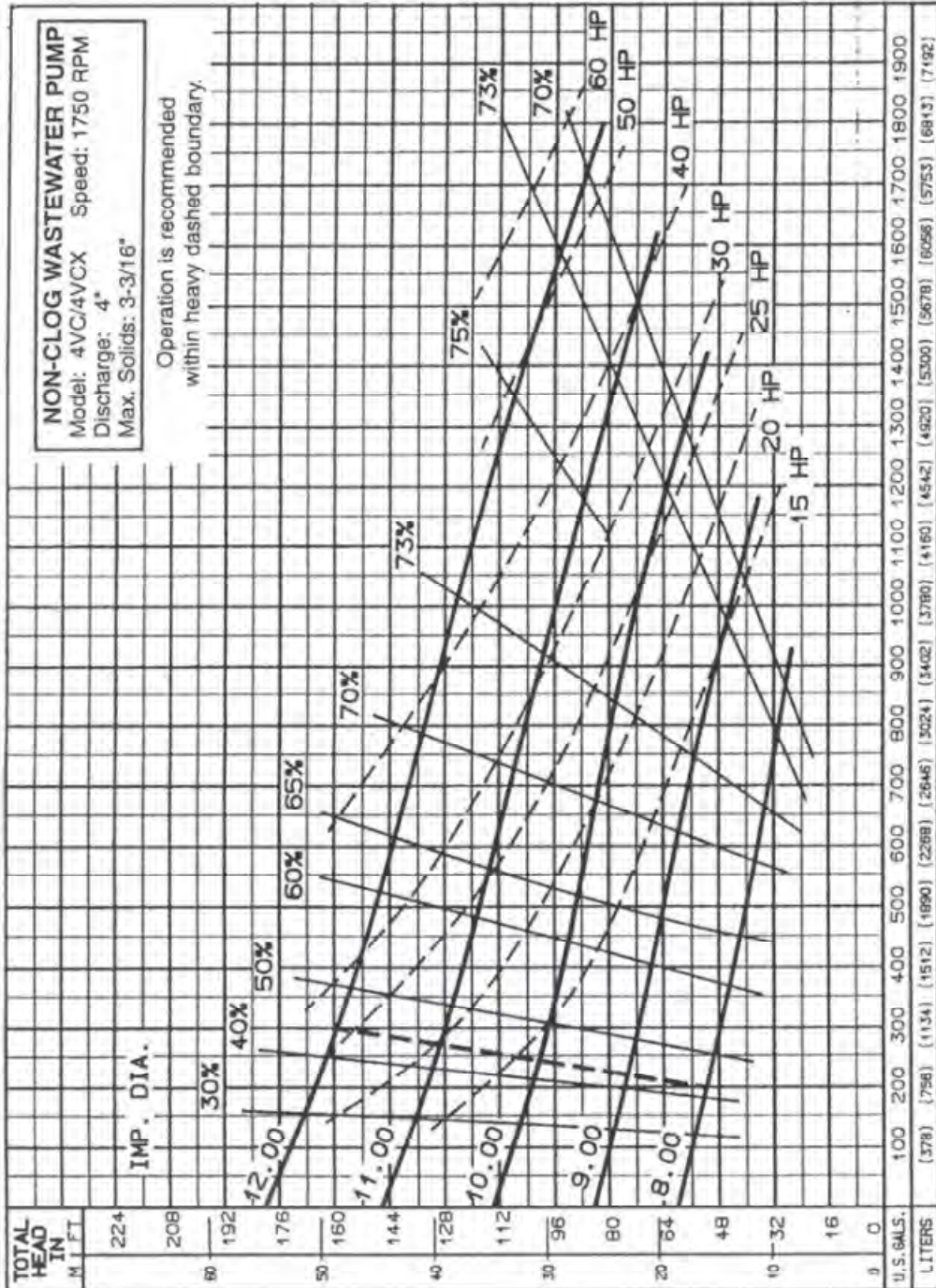
- trash basket, no grinder
- temporary generator
- 8' diameter wetwell; coating in fair condition
- pump guide top supports corroded (not significantly)
- aluminum trash rack and guide and hatches at wetwell are in good condition
- 10'x8' valve vault damp inside some ground water
- aluminum hatch and coating on valve vault in good condition
- odor control, Odophos, and two metering pumps inside precast building - not currently in use
- has carbon adsorption odor system
- modular precast building and containment wall inside building in good condition
- exterior slab on grade showing signs of settling and cracking
- expansion joint between slab and pump station/valve vault has no sealant and has vegetation growing in it

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## Holly Brook PS Pump 1 Pump Curve



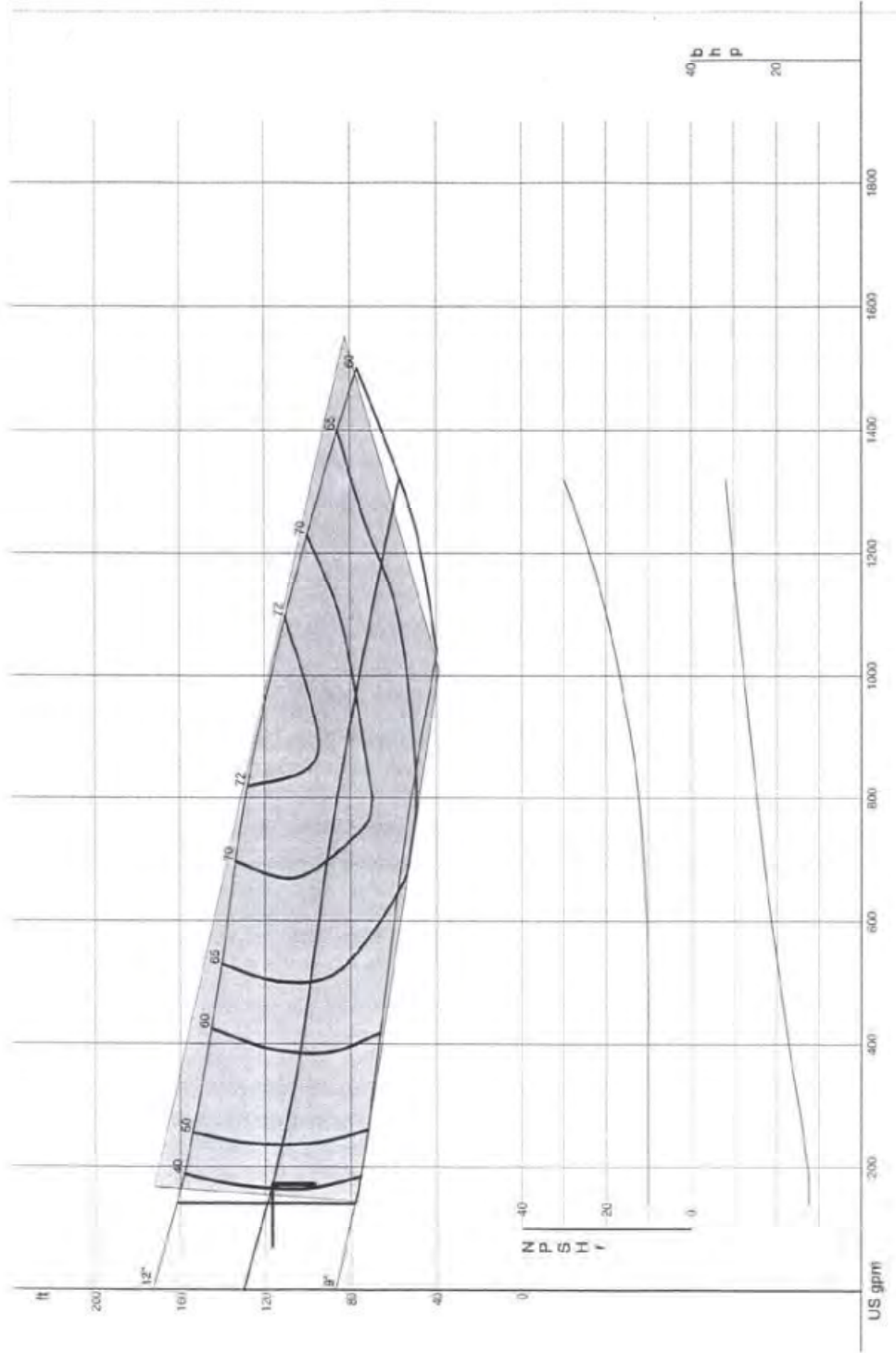
### Pump Performance



Pump performance is based on clear water (1.0 specific gravity @ 68°F) and pump fluid end (hydraulic) efficiency. Motor data based on 40°C ambient temperature.

# Town of Cary Pump Station Inspection Sheet

## Holly Brook PS Pump 2 Pump Curve



# Town of Cary Pump Station Inspection Sheet



Holly Brook Pump Station



Control Panel



Portable Generator



Valve Vault



Wetwell



Wetwell



# Town of Cary Pump Station Inspection Sheet



Odor Contraol



Chemical Building



Chemical Building



Chemical Building



Eye Wash



Basket

